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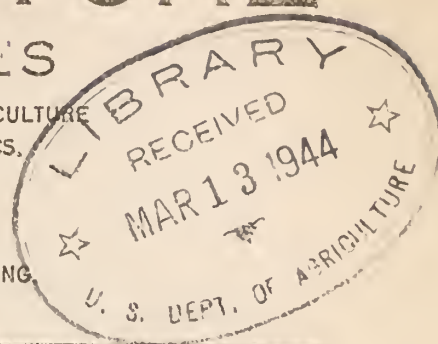


# COTTON LITERATURE

## SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,  
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.



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### CONTENTS

Production.....	77
General.....	77
Botany.....	78
Genetics.....	78
Agronomy.....	79
Diseases.....	82
Insects.....	82
Farm Management.....	83
Production Credit.....	83
Marketing.....	83
General.....	83
Demand and Competition.....	85
Prices.....	91
Marketing and Handling Methods and Practices.....	92
Services and Facilities.....	93
Cooperation in Marketing.....	93
Utilization.....	94
Fiber, Yarn and Fabric Quality.....	94
Technology of Manufacture.....	97
Technology of Consumption.....	100
Seed and Seed Products.....	101
Legislation, Regulation and Adjudication.....	103
Miscellaneous--General.....	103

COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONGeneral

Barbados. Dept. of science and agriculture.

Report...for the year 1930-31. [Bridgetown] 1931.  
102 p. illus. tables.

Partial contents.-The cotton situation: p.17.-Cotton.Spacing experiment: p.52-53.-Pink boll-worm: p.96.

Brazil. Serviço de informacoes. A malhoria da producao algodoeira. Rio de Janeiro, 1930. 8 p. illus. tables.

The improvement of cotton production.

Describes work of experiment stations and of classification service, and gives statistics of production by states.

Cook, O.F. Common errors in cotton production.

Washington, Govt.print.off., 1932. 26 p. illus.  
(U.S.Dept. of agriculture. Farmers' bul.1686)

"General disregard of quality in cotton buying, effects of mixing and changing seed, of planting inferior varieties, and of carelessness in handling and ginning the cotton are discussed in this bulletin.

"Progressive farmers and local leaders are advised to direct their efforts toward establishing community production of single varieties of cotton."

Measures to prevent breeding of weevils in the fall are also urged.

Fiji islands. Dept. of agriculture. Annual report... 1930. Suva, 1931. 35 p.

Report on the cotton industry, by B. Lyon Field: p.29-32. Mentions seed for sowing, seed-cotton prices, crop inspections, grades, diseases and pests, ginning, fertilizers, and production.

Report on work of cotton experiment station, by R.R.Anson: p.33-34.

Noted in Empire Cotton Growing Review, v.9, no.1, Jan.1932, p.73.

Georgia coastal plain experiment station. Eleventh annual report, 1930. Tifton, 1931. 86 p.

Cotton: p.14-23.



Iraq. Dept. of agriculture. Annual report on cotton (1929) Central experiment station, Rustan, Baghdad, Iraq. by Evan Guest. Baghdad. 1931. 36 p. tables. charts. (Memoir no.15)

Describes variety and cultural experiments and gives cost of production.

Mississippi. Agricultural experiment station. Forty-fourth annual report for the fiscal year ending June 30, 1931. A. & M. College, Miss., 1931. 80 p.

Includes reports of cotton breeding, Cotton wilt studies, cottonseed oil studies, cotton aphid project, cotton experiments at Natchez and Raymond branches.

Vilmorin, P.de. Travaux récents sur la culture du cotonnier dans les colonies Anglaises. Revue de Botanique Appliquée et d'Agriculture Coloniale, v.11, no.124, Dec.1931, p.961-969. (Published at Paris, France)

Recent studies of cotton cultivation in the English colonies.

## Botany

Balasubramanian, R. Parthenogenesis in cotton.

Madras Agricultural Journal, v.19, no.12, Dec.1931, p.509-516. illus. (Published by M.A.S.Union, Agricultural College and Research Institute, Coimbatore, S. India)

## Genetics

Cotton. Bulletin of the Imperial Institute, v.29, no.3, Oct.1931, p.337-340. (Published by John Murray, Albemarle St., W., London, England)

Report on cotton variety experiments in the Gold Coast and Nigeria.

Emme, Helene. Ueber chromosomen der baumwolle; vererbung ihrer blüten-, frucht- und samenmerkmale. Der Züchter, v.4, Jan.1932, p.9-18. (Published by Julius Springer, Berlin, Germany)

Concerning chromosomes of cotton; transmission of their flower, fruit and seed characteristics.

India. United provinces of Agra and Oudh. Dept. of agriculture. C.402, a new variety of long staple cotton in the United Provinces of Agra and Oudh. By Rama Prasada. Allahabad, Govt. press, 1931. 20 p. illus. tables.

The need for a suitable variety of cotton is noted and the development of a cotton to meet this need is described.

Killough, D.T. Breeding varieties of cotton to meet the needs of mechanical harvesting. Valley Farmer and South Texas Grower, v.5, no.9, Feb.5, 1932, p.1. (Published at Mercedes, Tex.)

Reid, A. The Royal agricultural society of Egypt. Africa World Annual 28th, 1931, p.47, 49. illus. (Published at 801, Salisbury House, London Wall, E.C.2, England)

Includes an account of the development of "Maarad" cotton production.

Talmadge, Eugene. Long-staple cotton. Southern Cultivator, v.89, no.19, Feb.1, 1932, p.6. (Published by the Constitution Publishing Co., Box 1731, Atlanta, Ga.)

Contains copies of correspondence in which the author advises against growing long staple cotton.

Vijayaraghavacharya, T. Demand for long staple cotton by Indian mills. Indian Textile Journal, v.42. no. 495, Dec.1931, p.88. (Published at Military Square, Meadows St., Fort, Bombay, India)

Extracts from speech at recent meeting of the Indian Central Cotton Committee.

Discusses problems to be considered in selecting types of cotton to be grown in India.

### Agronomy

Butler, Eugene. Russia, question mark of nations. Progressive Farmer and Southern Ruralist (Texas ed.), v.47, no.2, Jan.15-31, 1932, p.3,8. (Published at Birmingham, Ala.)

To be continued.

The development of cotton production in Russia is mentioned. Attention is called to experiments in the growing of cotton "farther north than it has ever been grown."

Highest yields of lint cotton and corn per acre reported in south for 1931. Southern Cultivator, v.89, no. 19, Feb.1,1932, p.8. illus. (Published by the Constitution Publishing Co., Box 1731, Atlanta, Ga.) Reports a cotton lint yield of 1,244 pounds per acre.

Holley, K.T., Pickett, T.A., and Dulin, T.G. A study of ammonia and nitrate nitrogen for cotton. I. Influence on absorption of other elements. Experiment, Ga., 1931. 14 p. illus. tables. (Ga. Agr. Exp. Sta. Bul. 169) "Under the conditions of these experiments cotton plants produced more dry matter in nitrate nitrogen solutions than in ammonia nitrogen solutions, good growth being obtained in each case. The nitrate plants grew faster in the first two or three weeks but the difference in dry matter as compared with ammonia plants, was less at from five to six weeks than at other stages of growth."-Summary.

Leach, G.C. The value of planting graded seed. Cotton and Cotton Oil News, v.33, no.8, Feb.20, 1932. p.5. illus. (Published at 3116-18 Commerce St., Dallas, Tex.) Illustration shows the Leach seed grader.

Petrov, A.D., and others. Vacuum fumigation of the Egyptian cotton seeds in USSR in 1930. Bulletin of Plant Protection, v.3, no.1, 1931, p.21-31. tables. charts. (Published by Lenin Academy of Agricultural Sciences in U.S.S.R., Leningrad, U.S.S.R.) In Russian with English summary.

"The large amount of hydrocyanic acid absorbed by seeds and the slow rate of volatilization in the latter prove the imperative necessity of keeping disinfected seeds in well ventilated stores removed from dwelling houses, and of using the seed for no other purpose but sowing."

Recent research on Empire products. A record of work conducted by Government technical departments overseas. Bulletin of the Imperial Institute, v.29, no.4, Jan.1932, p.463-475. (Published by John Mur-



ray, Albemarle St., W, London, England)

Includes extracts from report of Bukalasa Experiment Station relating to cultural experiments on cotton and a "blackarm" experiment: p.470-472; sowing date and spacing, sub-soiling, mulching, ridging, lime and green manure, interplanting.

Reynolds, E.B. Fertilizers for cotton in Texas. Cotton and Cotton Oil News, v.33, no.8, Feb.20, 1932, p.3-4. table. (Published at 3116-18 Commerce St., Dallas, Tex.)

Results of experiments conducted by the Texas Agricultural Experiment Station.

Russo, G. Il deperimento delle piantagioni di cotone nella Somalia Italiana. Agricoltura Coloniale, v.26, no.1, Jan.1932, p.3-28. illus. (Published at Firenze, Italy)

To be continued.

Deterioration of the planting of cotton in Italian Somaliland.

Shipman, S.S. Cotton growing in the Soviet Union. Cotton and Cotton Oil News, v.33, no.7, Feb.13, 1932, p.3-4. illus. (Published at 3116-18 Commerce St., Dallas, Tex.)

Trought, Trevor, and Afzal, Mohammad. Note on a sowing date experiment with Punjab-American cottons at Lyallpur in 1930. Agriculture and Live-stock in India, v.1, pt.6, Nov.1931, p.631-637. tables. (Published by Government of India Central Publication Branch, Calcutta, India)

"The results of the 1930 Sowing Date Experiment differ from those of previous years. This is attributed to the particularly mild season and it is shown that these results support the arguments previously advanced in favor of later sowings in normal or severe seasons."-Summary.

Woodroof, Naomi C. Treating cotton seed by the dusting method. Experiment, Ga., 1931. 16 p. illus. tables. (Ga.Agr.Exp.Sta.Bul.170)

"Ninety-four dusts have been tested as treatments for cotton seed and 50 of these have been used in field tests. Several of these have given good results...The average per cent increase in germination of the highest yielding dust treatment for each year

was 8.28 per cent over the untreated check. The increase over the delinted was 10.13 per cent. The average increase in yield from the highest dust treatment over the untreated check and the acid delinted seed in each year was 140 and 187.1 pounds seed cotton respectively...A homemade duster is described and directions are given for dusting cotton seed."-Summary.

### Diseases

Fikry, A. Investigations on the wilt disease of egyptian cotton caused by various species of Fusarium. Annals of Botany, v.46, no.181, Jan.1932, p.29-70. illus. (Published at London, England)

Literature cited: p.68-69.

Miles, L.E., and Persons, T.D. Verticillium wilt of cotton in Mississippi. Phytopathology, v.22, no.1, Jan. 1932, p.19. (Published at Cor. Lime and Green Sts., Lancaster, Pa.)

Note on a survey. Verticillium wilt was found in eight counties in the Delta section of Mississippi.

### Insects

Bebbington, A.G. Cotton and its limiting factors as a commercial crop in Northern Rhodesia. Northern Rhodesia Dept. of Agriculture Annual Bulletin no.1, 1931, p.12-19. (Published by Government Printer, Livingstone, Northern Rhodesia)

Includes damage by cotton stainer (Dysdercus): p.12-16; damage by bollworm (Chloridea obsoleta): p.16-18.

Grossman, Edgar F. Hibernation of the cotton boll weevil under controlled temperature and humidity. Gainesville, Fla., 1931. 19 p. charts. tables. (Fla.Agr.Exp.Sta.Tech.bul.240)

Literature cited: p.19.

Kottur, G.L., and Maralihalli, S.S. The use of sulphur in the control of red-leaf blight. Agriculture and Live-stock in India, v.1, pt.6, Nov.1931, p.638-641. (Published by Government of India Central Publication

Branch, Calcutta, India)

References: p.641.

"The fact that sulphur checks the red-leaf blight and has at the same time no injurious consequences, is of great value for all growers of American cotton in" the Kumpta-Dharwar area of the Bombay Presidency, India.-Conclusions. Said to be associated with certain sucking insects.

### Farm Management

Firor, J.W. Program for cotton farmers. Country Gentleman, v.102 no.3. Mar.1932, p.74. (Published by Curtis Publishing Co., Philadelphia, Pa.)

Five objectives set up by the Georgia State College of Agriculture.

### Production Credit

About cotton financing. Mr. Farmer must grow own food and feed this year, or no cash advance for him. Arizona Producer, v.10, no.22, Feb.1,1932, p.1,7. (Published at Phoenix, Ariz.)

## MARKETING

### General

Abnormal cotton market in 1931. Prices lowest in more than thirty years--South raised second largest crop in history--Greater consumption needed--Growers must cut acreage radically. American Wool and Cotton Reporter, v.46. no.5, Feb.4,1932, p.31,33,35,39. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Dalgety's annual wool review, 1930-1931. [Sydney, New South Wales, 1931] 181 p. tables.

The cotton industry: p.135-156. Gives a brief survey of world cotton production and consumption including production in Queensland.

Holtzclaw, Henry F. Agricultural marketing. New York, The Ronald press co., [c1931] 429 p.

Bibliography: p.419-423.

Marketing cotton: p.139-153.-Financing the marketing of cotton: p.167-270.



India. United provinces. Dept. of agriculture. Report on cotton purchase operations 1929-30 and 1930-31. Allahabad, Government press, 1931. 48 p. tables. chart. (Bul.57)

"The marketing operations recorded in this report are part of an experiment undertaken to find out if compact blocks of cotton can be grown to provide improved fibre for the spinning mills of the province, on the lines of single variety community cotton growing, used to establish improved cotton in the United States...The data recorded below are based on the detailed invoices of three consignments of 976, 2,024, and 1,699 maunds of kapas (unginned cotton) from purchase at village centres to delivery of baled lint at the mill siding. They provide information regarding the intermediary charges which furnish a guide for organising the primary marketing of this type of cotton in the United Provinces."

Oldham master cotton spinners' association, ltd. Report of the committee for year ended December 31st, 1931, together with lists of the committee and members. Issued January 15th, 1932. Oldham, England, 1931. 101 p.

Besides reviewing the situation in the British textile industry the report comments on Manchester as a cotton market, cotton tares for American bales, and super-penalties for American cotton.

Sociedad nacional agraria (Lima, Peru) Junta directiva. Memoria, 1929/30-1930/31. Lima, Peru, 1931. 255 p. Statistics of production, exports, consumption and prices of cotton: p.44-62.

Some facts about the cotton outlook for 1932. Washington, U.S.Govt.print.off., 1932. 8 p. charts. (U.S. Dept. of agriculture. Misc.pub.139)

Todd, John A. Cotton crop forecasting. America's improved system. Textile Weekly, v.7, no.185, Sept. 18, 1931, p.56-58. table. (Published at 49, Deansgate, Manchester, England)

Describes the crop reporting system of the U.S. Department of Agriculture.

"The report now is a skilful balancing of the opinions of a large number of reporters on the one hand against an increasing volume of statistical facts



collected by an entirely different set of observers on the other hand."

Wellman, H.R., and others. The 1932 agricultural outlook for California. Berkeley, Calif., 1932. 85 p. charts. (Calif.Agr.Ext.Serv. circ.59)

Paper no.28. The Giannini Foundation of Agricultural Economics.

Cotton: p.76-77.

### Demand and Competition

Annual textile market outlook. Cotton decline and goods production rate carry 1931 problems into 1932. Textile World, v.81, no.6, Feb.6, 1932 (Annual review and forecast number), p.543-545. chart. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

"The depression outside the industry is something textile manufacturers have almost succeeded in over-riding but irresponsible competition within the industry is the evil which must be driven out if 1932 is to be recorded as anything like a satisfactory year."

The attraction of fine cottons. Products in which Lancashire excels. Manchester Guardian Commercial, Annual Review of the British Trade, Jan.30,1932, p.12. (Published at the Guardian Bldg., Manchester, England)

Describes the products made from Lancashire's fine-spun yarns.

Ballagh, Thomas C. Competition in Argentine cotton-yarn market keen. Argentina imported more than 20,000,000 pounds of cotton yarn in 1930 and slightly less than 8,000,000 pounds in the first half of 1931--The United States, Italy, and the United Kingdom are the leading suppliers. Commerce Reports, no.52, Dec.28,1931, p.716-719. tables. (Published by Bureau of Foreign and Domestic Commerce, U.S.Department of Commerce, Washington, D.C.)

Carli, F. La crise de l'industrie du coton et influence sur cet article du developpement de la soie artificielle. L'Egypte Contemporaine, v.22, no.131, Dec.

1931, p.837-847. (Published by Société Royale d' économie Politique de Statistique et de Législation, Cairo, Egypt)

The crisis of the cotton industry and the influence on this industry of the development of artificial silk.

Committee considers new uses for cotton. Official Record, v.11, no.8, Feb.20,1932, p.45,50. (Published by U.S. Department of Agriculture, Washington, D.C.)

Report of meeting of New Uses Committee, Feb.3, 1932, Washington, D.C.

Also in Cotton Digest, v.4, no.19, Feb.20,1932, p.4.

Consumption of fibres. National Association of Cotton Manufacturers, Bulletin no.142, Feb.15,1932, p.1. (Published at 80 Federal St., Boston, Mass.)

"Cotton consumption has increased at the rate of about 1% per annum during the past decade, wool consumption has declined about 2% per year, silk consumption increased about 7% and rayon about 23% annually according to the Textile Organon."

Cotton exports swing toward Orient. National Sphere, v.9, no.2, Feb.1932, p.32. table. (Published by Whaley-Eaton Publishing Corp., Munsey Bldg., Washington, D.C.)

Compares exports to Asia with those to Europe during 1931.

The cotton levy and export trade. Lancashire firm's £30,000 per annum--More information needed. Textile Mercury and Argus, v.86, no.2236, Jan.22,1932, p.63. table. (Published at 41, Spring Gardens, Manchester, England)

Duntze, Wilma. Oriental textile mills speed up. American Federationist, v.38, no.7, July 1931, p.846-854. (Published by the American Federation of Labor, Washington, D.C.)

Describes the development of the textile industry in India, China and Japan with special reference to labor conditions.

"The fault, dear Brutus..." The cotton trade grasps its nettle. Manchester Guardian Commercial, Annual Review of the British Trade, Jan.30,1932, p.52-53. tables. (Published at the Guardian Bldg., Manchester, England)

Review of the Lancashire cotton industry for 1931.

Gt.Britain. Dept. of overseas trade. Economic conditions in Germany to September, 1931. Report by J.W.F. Thelwall and R.P.F.Edwards. London, H.M.Stationery office, 1932. 282 p. tables.

Cotton: p.133-136.

Extract in International Cotton Bulletin, v.10, no.38, Jan.1932, p.272-273. tables.

Great Britain's textile industry goes protectionist. Textile World, v.81, no.6, Feb.6,1932, (Annual review and forecast number,) p.504. table. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

"All the principal types of textile articles, with the exception of raw materials, now come under a 50% ad valorem duty." The items under the new Abnormal Imports Bill are listed.

Haney, Lewis H. Return of confidence is a necessary prelude to recovery. Textile World, v.81, no.6, Feb.6,1932 (Annual review and forecast number), p.466-467, 470. charts. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Outlook for textiles in 1932.

Hayden, Frank. World cotton crops; a treatise. [Memphis, Tenn.] Cotton digest, 1931. 28 p.

"The future of American cotton."

Heavy cotton surplus not insurmountable should business recover. Textile World, v.81, no.6, Feb.6, 1932 (Annual review and forecast number), p.510-511. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Review of 1931 and outlook for 1932.

The hosiery trade census figures. Textile Manufacturer, v.58, no.686, Feb.15,1932, p.52. tables. (Published by Emmott and Co., Ltd., 65 King St., Manchester, England)

Extract from the British Census of 1930.



Hughes, H.G. Cotton trade reorganisation. A reply to redundancy scheme critics. Textile Mercury and Argus, v.86, no.2237, Jan.29, 1932, p.87. (Published at 41, Spring Gardens, Manchester, England)

Increasing use of Russian cotton. Large quantities bought by Lancashire. Textile Weekly, v.8, no. 185, Sept.18, 1931, p.61-62. illus. (Published at 49, Deansgate, Manchester, England)

Brief description of the development of cotton production in Russia.

Jewkes, J. The relative efficiency of combines. Requirements of the cotton industry. Textile Manufacturer, v.58, no.686, Feb.15, 1932, p.55-56. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Brief abstract of a "Statistical Study of the Economies of Large-scale Production," read to the Manchester Statistical Society, Jan.13, 1932.

Discusses "rationalisation" of the Lancashire cotton industry and the static and dynamic points of view in treating of the relation between size and efficiency.

Law, F.M. Our export cotton trade. Is "King" cotton to be dethroned?--Quality of domestic vs. foreign cotton--Oriental markets steady customers--Where can more buyers be found?--Germany and France potential purchasers--Financing cotton shipments. California Banker, v.12, no.9, Sept.1931, p.409-410. (Published at 628 Mills Bldg., 220 Montgomery St., San Francisco, Calif.)

Maloney, T. Import duty on cotton: Bombay mill-owners' view. Indian Textile Journal, v.42, no.495, Dec. 1931, p.105. (Published at Military Square, Meadows St., Fort, Bombay, India)

The author "presents the case for the importation of long-staple cotton into India...Such cottons require a longer growing season than is available in India."

Also in International Cotton Bulletin, v.10, no.38, Jan.1932, p.234-236.

Matsuoka, Asa. Labor conditions of women and children in Japan. Washington, Govt.print.off., 1931. 102 p. (U.S.Dept. of labor. Bureau of labor statis-



tics. Bul.558)

"More than half of the factory population and 83 per cent of all industrial woman workers are engaged in textile manufacture."

More cotton comes to Manchester. Increase of 6.6 per cent on the season. Manchester Guardian Commercial, Annual Review of the British Trade, Jan.30,1932, p.6. (Published at the Guardian Bldg., Manchester, England)

Los multiples usos del algodón. La Hacienda, v. 26, no.12, Dec.1931, p.531. illus. (Published at 20 Vesey St., New York, N.Y.)

The many uses of cotton.

New uses for American cotton. Ingenious attempts to create a greater demand for cotton fabrics. Textile Weekly, v.8, no.205, Feb.5,1932, p.595. illus. (Published at 49, Deansgate, Manchester, England)

"Regarding the American domestic consumption, it is pointed out that from 65 to 70 per cent. is used for industrial purposes, the balance going into clothing. Present annual domestic consumption of cotton in the United States runs to about 30 pounds per head. The new objective is therefore to increase it to 42 pounds, the feeling being that if such an aim should be realized, all would be well with the industry."

1931 textile insolvencies set record, survey shows. Textile World, v.81, no.8, Feb.20, 1932, p.716. charts. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Extracts from survey by the National Credit Office, New York, N.Y.

Philippine imports of cotton cloth increase in quantity. Quantity of piece goods imported into the Philippines in 1931 estimated as approximately 7 per cent greater than that of 1930--United States export returns indicate an increase of 27 per cent in American shipments. Commerce Reports, no.8, Feb. 22, 1932, p.424-426. tables. (Published by Bureau of Foreign and Domestic Commerce, U.S. Department of Commerce, Washington, D.C.)

Profitless prices a blot on otherwise improved statistical picture. Textile World, v.81, no.6, Feb. 6, 1932 (Annual review and forecast number), p.464-465. chart. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York. N.Y.)

Chart shows four-year consumption curves of cotton, wool, silk and rayon.

Rohrer, Harvey V. The Philippine market for cotton yarns. Commerce Reports, no.2, Jan.11, 1932, p.91-92. (Published by Bureau of Foreign and Domestic Commerce, U.S.Department of Commerce, Washington, D.C.)

Rumania. International Cotton Bulletin, v.10, no.38, Jan.1932, p.271. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Estimates of production and statistics of imports of cotton fabrics.

Slater, W.H. The cotton industry in 1931. A year of crises. Textile Recorder, v.49, no.586, Jan. 15, 1932, p.25-26. tables. (Published at 121, Deansgate, Manchester, England)

Reviews the situation in Lancashire.

Spinners' views of cotton levy scheme. Bankruptcy the only alternative? Textile Mercury and Argus, v.86, no.2238, Feb.5, 1932, p.105. (Published at 41, Spring Gardens, Manchester, England)

Includes statements by Sir Kenneth Stewart and Mr. Frank Platt, on the proposals of the Joint Committee of Cotton Trade Organizations.

Talcherkar, V.A. The cotton textile industry of Indore. Indian Textile Journal, v.42, no.495, Dec.1931, p. 94-96. illus. (Published at Military Square, Meadows St., Fort, Bombay, India)

Brief history of the industry.

Tattersall, F.W. Efforts to revive Lancashire's trade. Schemes for reducing costs and scrapping redundant machinery. Yorkshire Observer, Jan.18, 1932, p.30. chart. (Published by the Bradford and District Newspaper Co., Ltd., Hall Ings and Drake St., Bradford, England)

Review of the year 1931. Chart shows prices of Egyptian cotton and Egyptian yarn.

Tattersall, F W. Great increase in raw cotton supplies. Ruling prices much below cost of production. Yorkshire Observer, Jan.18,1932, p.35. chart. (Published by Bradford and District Newspaper Co., Ltd., Hall Ings and Drake St., Bradford, England)  
Review of the situation in 1931.

Todd, John A. World's use of "sundries" cotton. Destination of empire and foreign growths. Manchester Guardian Commercial, v.23, no.599, Dec.10,1931, p.505. tables. (Published at the Guardian Bldg., Manchester, England)

"It will be seen that the whole question bristles with statistical difficulties, but these do not affect the main tendency of recent years, which has been for every country except the United States to use less American and more outside growths."

World conditions affect textiles. Another year of deflation in 1931--Depreciated foreign exchange and debt problems seriously affect all world's business--Beneficial readjustments continue in textile industry. American Wool and Cotton Reporter, v.46, no.5, Feb. 4, 1932, p.11-12. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

"This review and the data and financial statistics of New Bedford and Fall River cotton mills, which appear on subsequent pages, were prepared by Sanford and Kelley, investment bankers."

### Prices

Slater, W.H. Cotton trade prices. Annual comparisons. Textile Weekly, v.8, no.205, Feb.5,1932, p.588, 590. tables. (Published at 49, Deansgate, Manchester, England)

[Todd, John A.] Cotton prices: parities and premiums, January, 1932. Textile Weekly, v.8, no.204, Jan.29, 1932, p.574. (Published at 49 Deansgate, Manchester, England)

This table and the editorial discussion of it, on page 561, supplement the article by John A. Todd in the January 22 issue of this paper.

Charts based on these figures appear on page 603, of



the issue for Feb.5, 1932.

Tcdd, John A. Raw cotton prices and the foreign exchanges. Liverpool, American and Egyptian parities. Textile Weekly, v.8, no.203, Jan.22, 1932, p.536, 539-541. chart. table. (Published at 49, Deansgate, Manchester, England)

Table shows discounted prices and parities each Tuesday and Friday since Sept.15,1931.

"It seems, therefore, that there is no escape from the conclusion that Egyptian cottons are relatively extremely cheap, and this ought to have a very important tendency to increase the world's consumption of Egyptian cotton, and so enable Egypt to work off her large carry over."

### Marketing and Handling Methods and Practices

Hoffman, G. Wright. Future trading upon organized commodity markets in the United States. Philadelphia, University of Pennsylvania press, 1932: 482 p.

Bibliography: p.471-474.

Partial contents.—Pt.1. Organization and operation of future markets (Chap.3. Evolution of future trading: cotton and other commodities: p.35-57.—Chap.5. Cotton marketing: p.79-98.—Chap.6. The future contract and its use: p.99-118).—Pt.2. Price aspects and problems of future trading. (Chap.18. Governmental regulation of exchanges: p.351-376.—Chap.19-20. Hedging: p.377-418)

Huebner, S.S. The economic value of short selling. Farmers' Elevator Guide, v.26, no.12, Dec.1931, p.3-6. (Published by American Co-operative Publishing Co., 309 South La Salle St., Chicago, Ill.)

The author defines futures dealing and discusses the function of the speculator, the service of time contracts, the necessity of hedging, and modern speculative exchanges.

"Business men seek a trade profit. They avoid gambling. Yet after they have contracted for the future delivery of finished goods, a great adverse change in raw material prices may wipe out a trade profit or even cause bankruptcy. Such price variations in grain, cotton and other raw materials are too dangerous for the business man. He turns to the futures market to insure against risk, and to shift the risk to those who make risk-bearing a business. The hazard confronting him is quickly eliminated through purchase of a futures contract, either from some



commodity owner or equally responsible short-seller."

Transacting cotton business on net weight basis. International Cotton Bulletin, v.10, no.38, Jan.1932, p.205-207. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Extracts from comments showing the trend of thought in the United States.

### Services and Facilities

Galveston cotton exchange and board of trade. Annual cotton statement...for year ending July 31st, 1931. [Galveston, 1931] 3 p.

Contains statistics of receipts, exports and imports of cotton at the port of Galveston, Texas.

Hobson, Cecil E.H. Reviews salient activities of Manchester Cotton association. Cotton Trade Journal, v.11, no.52, Dec.19,1931, p.4. (Published at New Orleans, La.)

Remarks at the Annual meeting of the Manchester Cotton Association.

States that imports to Manchester have been increasing.

Nickson, A.C. The Liverpool cotton association. Conferences and codes. Future of the ten-letter system. Manchester Guardian Commercial, Annual Review of the British Trade, Jan.30,1932, p.15-16. (Published at the Guardian Bldg., Manchester, England)

Review of the year's work.

### Cooperation in Marketing

Creekmore, E.F. The cotton situation. Valley Farmer and South Texas Grower, v.5, no.10, Feb.20, 1932, p.2, 17. (Published at Mercedes, Tex.)

Forecasts the probable crop situation for 1932-33 and surveys the work of the American Cotton Cooperative Association and the Federal Farm Board since 1929.

Organized agriculture is theme of Lubbock meeting. Texas Co-operative News, v.12, no.4, Feb.15,1932, p.10. (Published at Dallas, Tex.)

Third Annual South Plains Farm and Home Conference Feb.11-12, Texas Technological College, Lubbock, Texas.

[Roberts, Clarence] Co-op has had good and bad years.  
Oklahoma Farmer-Stockman, v.45, no.4, Feb.15,1932,  
p.75, 87, 89, 91. (Published at Oklahoma City,  
Okla.)  
To be continued.  
History of the Oklahoma Cotton Growers' Association.

Stone, James C. Critics desire to overthrow co-op  
farm marketing plan. Texas Co-operative News, v.12,  
no.4, Feb.15,1932, p.8. (Published at Dallas, Tex.)  
Address by chairman of the Federal Farm Board be-  
fore the annual meeting of the National Cooperative  
Council in Washington, D.C., Jan.26,1932.

### UTILIZATION

#### Fiber, Yarn and Fabric Quality

Astbury, W.T. The fundamental structure of textile  
fibres. The X-ray interpretation of the micelle  
and molecular structure of textiles. Textile Manu-  
facturer, v.58, no.686, Feb.15,1932, p.54-55. (Pub-  
lished by Emmott and Co., Ltd., 65, King St., Manches-  
ter, England)

Abstract of lecture to Textile Teachers at Leeds  
University, England.

"Textile science thus resolves itself into the  
study of the structure, elastic properties, cohesion,  
and chemical affinities of the crystalline micelles.  
The physical chemistry of fibres is for the most  
part the physical chemistry of the internal surface.  
Just as in the case of water, the penetration of all  
liquids and vapours depends in the last resort on  
the nature of the internal surface provided by the  
vast number of micelles in each single fibre."

Also in Textile Mercury and Argus, v.86, no.2238,  
Feb.5,1932, p.113, 121.

Balls, W.L. Water in cotton in Egypt. Being memoranda  
prepared for the International cotton committee (Egypt)  
during 1928-30. Cairo, Govt.press, 1931. 19p. charts.  
(Egypt. Ministry of agriculture. Tech. and sci. serv.  
Bul.111)

Contents.-The so-called "Natural moisture content":  
p.1-3; The remarkable instability of weight shown

by bales: p.5-11; The cotton-content of cotton bales: p.13-17; Commercial statistics for bales: p. 17.

Blake, Edmund E. Research in the cotton industry. Fundamental processes are constantly under survey--Work of the Textile foundation--Influence of English methods--Some technical improvements in spinning machine construction. American Wool and Cotton Reporter, v.46, no.6, Feb.11, 1932, p.7-8, 29-32. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

Address at meeting of Overseers of Spinning at Forum of National Association of Cotton Manufacturers, Boston, Mass., Dec.10, 1931.

Briefly surveys the work of the U.S. Department of Agriculture, the Textile Foundation, the Textile Institute of England, and the U. S. Institute of Textile Research, and describes improvements in textile machinery.

Also in Textile World, v.81, no.8, Feb.20, 1932, p.718-719.

Also in Southern Textile Bulletin, v.41, no.25, Feb.18, 1932, p.8-10, 27.

Hays, Margaret B., comp. Textiles and clothing. Selected list of references on the physical testing of fabrics. Washington, D.C., 1932. 23 p. (U.S. Dept. of agriculture. Bureau of home economics. Home economics, bibliography 8) Mimeographed.

"This bibliography contains English, French, German, and a few Dutch books and articles on the physical testing of fabrics. Only those references to methods of testing, descriptions of instruments or studies of methods have been included. Although the continental literature has not been searched exhaustively, an effort has been made to have this complete back to 1920, some citations of an earlier date being included."-Foreword.

Industrial and scientific research. Textile Manufacturer, v.58, no.686, Feb.15, 1932, p.53-54. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

This summary of the Report of the Department of Scientific and Industrial Research, 1930-31, of Gt. Britain includes a statement of cotton textile research being carried on at Shirley Institute.



Meyer, Kurt H., and Mark, H. Bemerkungen zu den arbeiten von H.Staudinger: "Über die struktur der hochpolymeren verbindungen." Berichte der Deutschen Chemischen Gesellschaft, v.64, no.8, Sept.16,1931, p.1999-2002. table. (Published at Verlag Chemie G.m.b.H., Berlin, Germany)

"The authors discuss the differences between their own views of the structure of cellulose and the views of Staudinger."-Textile Institute, Journal, v.22, no.12, Dec.1931, p.A650.

Moisture in Egyptian cotton. International Cotton Bulletin, v.10, no.38, Jan.1932, p.217. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Correction of the report of the Egyptian Section meeting at the Paris Congress.

New, A.A. Determination of small amounts of acids, alkalies and salts in textiles. Textile Manufacturer, v.58, no.686, Feb.15,1932, p.67, 68-69. (Published by Emmott and Co., Ltd., 65, King St., Manchester, England)

Nickerson, Dorothy. Cotton fiber quality. Its measurement in relation to standardization and utilization. American Dyestuff Reporter, v.21, no.1, Jan.4,1932, p.4-9. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.)

"The author discusses "the color variations of the raw stock, and the necessity for considering these variations in relation to finished cotton goods."

Palazzo, F.C. Bambagia per nitrazione da conifere nostrali. Giornale di Chimica Industriale e Applicata, v.13, no.2, Feb.1931, p.61-68. (Published at Via S. Paolo, 10, Milano, (103), Italy)

"Cellulose from various conifers such as pine and red fir was nitrated and found to give a product identical in all ways with the product from the nitration of cotton linters. This process is particularly interesting as a possible source of gun cotton in any future war."-Chemical Abstracts, v.25, no.14, July 20, 1931, p.3829.



Schmidt, H. Von der baumwollstaude zur azetatseide. Umschau, v.36, no.4, Jan.23, 1932, p.65-67. illus. (Published at Frankfurt am Main, Germany)

Concerning the cotton plant for acetate silk.

The author considers cotton as chemically the most valuable source of cellulose.

Schwarz, E.R. Fundamental textile research and the microscope. American Dyestuff Reporter, v.21, no.2, Jan.18, 1932, p.59-63. illus. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

Address at meeting of American Association of Textile Chemists and Colorists, Boston, Mass., Dec.5, 1931.

Describes new microscopes and accessories for use in textile research.

### Technology of Manufacture

Austin, James A. Putting photomicrographs to work in the textile mill. Textile World, v.81, no.5, Jan. 30, 1932, p.332-335. illus. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

"Photomicrography is part of the mill routine at the Fall River division of the Pepperell Mfg. Co.... A few of the items which are subjected to microscopical examination are raw cotton, roving, yarn, size mix, sized warps, and gray and finished fabrics."

Bancroft, Wilder D. Basic mordants and lakes. American Dyestuff Reporter, v.21, no.3, Feb.1, 1932, p. 74-77. charts. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.)

Paper presented at annual meeting of American Association of Textile Chemists and Colorists, Boston, Mass., Dec.4-5, 1931.

Compares results of using certain dyes on cotton, wool and silk.

Also in American Wool and Cotton Reporter, v.46, no.8, Feb.25,1932, p.13-14, 19-20.

Baumwollspinnerei. Berlin, J. Springer, 1931. 2 vol. illus. diagrs. (Technologie der textilfasern, hrsg. von Dr.R.O.Herzog....IV.bd., 2 teil A)

### Cotton spinning.

Contents.- a) Maschinen für die gewinnung und das verspinnen der baumwolle, by Hugo Glafey. (Machines for preparing and spinning cotton.) - b) Praxis des baumwollspinners, by E.Brücher. (Practice of cotton spinners. Includes description of the quality of different growths of cotton, as well as the various processes through which cotton passes in the spinning mill.)

Coop, Frank. Single process opening of cotton. Textile Recorder, v.49, no.586, Jan.15,1932, p.39-40. (Published at 121, Deansgate, Manchester, England)

"Although the adoption of the single-process system gives reduced costs of production, the effect on the cost per pound is very small and the saving effected may not cover interest and depreciation, etc., on the extra capital outlay."

Doladilhe, Maurice. Contributions à l'étude de la fixation des matières colorantes sur les granules colloïdaux et les fibres textiles. Rodez, G.Subeivie, 1931. 93 p.

Thesis - University of Dijon.

Contributions to the study of the fixation of coloring matter on colloidal granules and textile fibers.

Ellis, H. Determining forms of tendering in cotton yarns. Textile Recorder, v.49, no.586, Jan.15,1932, p.29-30. illus. (Published at 121, Deansgate, Manchester, England)

"Apart from those processes which are purely chemical in nature, the mechanical treatment which attends the manufacturing of raw cotton into finished cloth is liable at any stage to cause--and frequently does cause--a fair amount of damage." A method of detecting this type of damage is given.

Hall, A.J. A consideration of the mechanism of dyeing. American Dyestuff Reporter, v.20, no.25, Dec. 21,1931, p.809-812. charts. (Published by Howes Publishing Co., 440 Fourth Ave., New York, N.Y.)

"Summing up the above discussion it is seen that

dyeing is largely concerned with the penetration of a porous cellulose structure by small dye particles, the degree and extent of this penetration being dependent on the relative size of the dye particles and the spaces within the fibre. Nothing has been said about the forces which hold the dye particles to the micellae because practically nothing is known about these forces."

King, William. Opening and picking--practical considerations. *Melliand Textile Monthly*, v.3, no.11, Feb.1932, p.911-914. (Published by Textile Manufacturers Monthly, Inc., Woolworth Bldg., New York, N.Y.)

"In this article Mr. King gives a valuable discussion of mixing principles, fans and air currents, defects in laps, and sizing."-Editorial note.

A new dryer. *American Wool and Cotton Reporter*, v.46, no.6, Feb. 11, 1932, p.20. (Published by Frank P. Bennett and Co., Inc., 530 Atlantic Ave., Boston, Mass.)

"An improved raw stock dryer has just been announced by the C.G.Sargent's Sons Corporation, Graniteville, Mass., after a long period of experiment and research."

Rice, George. Dyeing cotton stationery. *Textile Colorist*, v.54, no.638, Feb.1932, p.100-101. (Published at Woolworth Bldg., 233 Broadway, New York, N.Y.)

Rose, R.E. The mechanism of dyeing. *American Dye-stuff Reporter*, v.21, no.2, Jan. 18,1932, p.52-59. (Published by Howes Publishing Co., 440 Fourth Ave., New York N.Y.)

Address at meeting of American Association of Textile Chemists and Colorists, Boston, Mass., Dec.5, 1931.

"There is no question but that the colloidal adsorption theory has proved itself in the case of cotton dyeing but it is not by any means so clear that it is any more than partially true as an explanation of the dyeing of wool, silk and leather."



Technology of Consumption

American society for testing materials. A.S.T.M. tentative standards 1931. Philadelphia [1931] 1008 p. charts. tables.

Contains tentative specifications for Cotton goods for rubber and pyroxylin coating (D334-31T). Tolerances and test methods for knit goods (D231-28T), 0.007-in. cotton tape (D335-31T), Tolerances and test methods for silk and cotton tapes (D259-31T), tentative methods of Determining relative humidity (D337-31T) Enameling duck for the tire industry (D336-31T), identification of textile fibers and their quantitative determination in mixed goods (D276-31T); and tentative definitions of Terms relating to textile materials (D123-30T).

Appel, William D. Problems of textile specifications. American Dyestuff Reporter, v.20, no.24, Dec.7,1931, p.788-795. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.)

The difference between "material" and "performance" specifications is illustrated by specifications for cotton twine for the Post Office Department.

Beavens, Ellen K., and Wigington, John T. Cotton fabrics suitable for hooked-rug foundations. Textile World v.81, no.8, Feb.20, 1932, p.708-710. illus. tables. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Report of a study made by the Bureau of Agricultural Economics and the Bureau of Home Economics, of the U.S.Department of Agriculture.

Cotton cloth for rubber and pyroxylin coating.

Washington, Govt.Print.off., 1931. 14 p. (U.S.Bureau of standards. Commercial standard CS32-31)

Grayson, Ralph V. Cotton insulation. Manufacturers Record, v.101, no.7, Feb.18, 1932, p.40. (Published at Commerce and Water Streets, Baltimore, Md.)

"A search of refrigeration literature showed that the U.S.Bureau of Standards had issued a bulletin (No.243), in which cotton was given a higher insulation value than any other of the many fibrous materials listed."

Kay, R.H. The examination and commercial analysis of cotton cloths. Analyst, v.56, no.667, Oct.1931, p.647-652. (Published by W.Heffer and Sons, Ltd.,

Cambridge, England)

"The methods in use for the examination and analysis of cotton cloths are described fully, together with certain modifications which enable the results to be obtained more rapidly. (Copied complete from J.S.C.I. Abstract Section, Dec. 4, 1931)"--T.R.I. Bulletin, v.2, no.1, Jan. 1932, p.15.

### SEED AND SEED PRODUCTS

Ainslie, E.C. Sampling cottonseed at the oil mill Oil and Fat Industries, v.8, no.9, Sept. 1931, p.339-341. tables. (Published by MacNair-Dorland Co., Inc., 126 Liberty St., New York, N.Y.)

Address presented at annual meeting of the American Oil Chemists' Society, New Orleans, La., May 1930.

Describes methods of taking samples from the car, and of handling the sample, to insure accuracy.

Delinted cottonseed. Is this a closed road to better milling practice? Oil Miller and Cotton Ginner, v.39, no.6, Feb. 1932, p.5-6. (Published at 161 Spring St., N.W., Atlanta, Ga.)

"If the seed were received at the mill already delinted the milling process would be greatly simplified. The hull would remain in the meal."

Hamner, N.C. Report of moisture committee. Oil and Fat Industries, v.8, no.9, Sept. 1931, p.342. (Published by MacNair-Dorland Co., Inc., 136 Liberty St., New York, N.Y.)

Gives results of tests of moisture in cotton seed made by five laboratories.

Meloy, Guy S. Grading cotton seed. Cotton and Cotton Oil News, v.33, no.5, Jan. 30, 1932, p.3. (Published at 3116-18 Commerce St., Dallas, Tex.)

Suggests methods of adapting seed grading to the needs of small producers.

Also in Oil Miller and Cotton Ginner, v.39, no.6, Feb. 1932, p.6-7.

Meloy, Guy S. Standard grading of cottonseed. Suggestions for getting back to farmer-grower the premiums on seed of values above the basic grade. Cotton Oil

Press, v. 15, no.10, Feb. 1932, p.23-24. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

Memphis (Tenn.) Merchants exchange clearing association. General rules governing transactions...in future delivery contracts in cotton-seed, in effect August 15, 1931. Memphis, 1931. 17 p.

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Sievers, A. F., and Lowman, M.S. A study of cotton-seed with reference to varietal characteristics and sources of production. Washington, 1932. 12 p. U.S.Dept. of agriculture. Bureau of plant industry. Office of drug and related plants. Unnumbered pub.) Mimeographed.

Symposium of opinions and suggestions. Replies to eight pertinent questions propounded to leaders in the industry by the Cotton oil press providing cross section of current opinion on outstanding problems. Cotton Oil Press, v.15, no.10, Feb. 1932, p.11-18. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

The problems include the present rules and practices in marketing cottonseed products, the passage of the Jones bill, and setting up of the Meloy seed grading plan.

Weiss, W. Untersuchung von baumwollsaamenöl. Dresden, Druckerei Zobler, 1931. 43 p. illus. Dissertation. Sächs. Tech. Hochsch. Dresden. Research on cottonseed oil.

Womble, Cecil. Oil extraction. American Ginner and Cotton Oil Miller, v.9, no.5, Jan.1932, p.11-12. (Published at P.O.Box,504, Little Rock, Ark.) Address at Tri-States Cottonseed Oil Mill Superintendents meeting, December, 1931. Method of oil extraction is briefly described.

Yuill, A.F. Some recent developments in connection with cottonseed disposal. Interesting experimental work in Hyderabad State. Agriculture and Livestock in India, v.1, pt.6, Nov.1931, p.607-617. table. (Published by Government of India Central Publication Branch, Calcutta, India)

To be continued.



Experiments with a cottonseed defibrating machine are described. An increase of the oil content of defibrated seed is noted.

#### LEGISLATION.REGULATION AND ADJUDICATION

National association of marketing officials.

Committee on legislation. Report...1931, by H.F. Fitts, chairman. Presented at the 13th annual meeting, Washington, December 28, 29, 30, 1931. [Washington, D.C., 1931] 18 p. Mimeographed.

"Arkansas took action to prevent illegal transportation of cotton or cottonseed out of the State. Texas required that all public cotton classers have Federal cotton classers' licenses; also limited the weight of loads carrying cotton on the State highways."-p.8.

Summary of laws relating to Curtailment of cotton production: p.17.

Texas cotton acreage law unconstitutional. Cotton and Cotton Oil News, v.33, no.6, Feb.6,1932, p.5. (Published at 3116-18 Commerce St., Dallas, Tex.)

"In a decision rendered on Feb.1st, District Judge W.C.Davis held that the Texas cotton acreage restriction law, passed by the forty-second legislature, is 'unconstitutional, null and void.'" Extracts from the decision are given.

#### MISCELLANEOUS--GENERAL

Clayton, W.L. Facing facts in 1932. Acco Press, v.10, no.2, Feb.1932, p.6-7, 13. (Published by Anderson, Clayton and Co., Houston, Tex.)

Address at annual meeting of Chamber of Commerce, Houston, Texas.

Discusses effect of government policies on cotton growers and dealers.

India. Indian central cotton committee. Abstract proceedings of the 23rd meeting...13th and 14th July 1931. [Bombay, 1931] 117 p.

Includes progress reports and discussion of the following subjects: Cotton transport act--Surat area; Cotton transport act--Nerbudda-Mahi area; Cotton ginning and pressing factories act--progress made in Indian states: cotton marketing--revised rules under the Berar cotton and grain markets law; Mixing of Punjab-American cotton; Comparison of cotton press returns with cotton forecasts; Report of standing

finance sub-committee on the fumigation of American cotton--accounts for 1930-31; Cotton transport act--Indore; Investigation into cost of growing cotton in India; Import of foreign cotton seed.

West Indies (British) Imperial dept. of agriculture.  
Report on the agricultural department, Antigua, 1930-31. Trinidad, 1931. 17 p. tables.

Cotton experiments: p.5. Table shows characters of the selections planted.

Cotton ordinances: p.13.

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